



Appendix 2 Gantt Chart

**Municipal Water Quality Investigations
Program 2011-2012 Workplan
4/27/11
Final**

Appendix 2—Gantt Chart

ID	Task Name	Duration	Start	Finish	Critical	Resource Names	Predecessors	Gantt Chart																							
								09	2010				2011				2012				2013										
								Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4						
1	WARMF (w)	0 days	Mon 3/1/10	Mon 3/1/10	No	W	36FS+2 days	[Gantt bar for WARMF (w) from 3/1/10 to 3/1/10]																							
2	Recalibration DSM2 to conservative constituent (r2)	0 days	Mon 1/3/11	Mon 1/3/11	No	R2	87FS+2 days	[Gantt bar for Recalibration DSM2 to conservative constituent (r2) from 1/3/11 to 1/3/11]																							
3	Installation of Anion Analyzer at Jones PP	197 days	Thu 7/1/10	Fri 4/1/11	No	J	49FS+9 days	[Gantt bar for Installation of Anion Analyzer at Jones PP from 7/1/10 to 4/1/11]																							
4	Installation of Gianelli Water Quality Station	262 days	Mon 7/4/11	Tue 7/3/12	No	G	79FS+1 day	[Gantt bar for Installation of Gianelli Water Quality Station from 7/4/11 to 7/3/12]																							
5	Simulation of Historical Conditions, 1990 - present				Yes			[Summary bar for Simulation of Historical Conditions, 1990 - present]																							
6	A. Delta Conditions	23 days	Fri 8/28/09	Tue 9/29/09	No			[Gantt bar for A. Delta Conditions from 8/28/09 to 9/29/09]																							
7	Bromide	367 days	Fri 8/28/09	Mon 1/24/11	Yes			[Summary bar for Bromide from 8/28/09 to 1/24/11]																							
8	Phase 1	10 days	Fri 8/28/09	Thu 9/10/09	Yes			[Summary bar for Bromide Phase 1 from 8/28/09 to 9/10/09]																							
9	Assemble measured data at diversions and in-Delta locations	5 days	Fri 8/28/09	Thu 9/3/09	No	MWQI		[Gantt bar for Assemble measured data at diversions and in-Delta locations from 8/28/09 to 9/3/09]																							
10	Calculate historical bromide based on EC simulation	5 days	Fri 8/28/09	Thu 9/3/09	Yes	BDO		[Gantt bar for Calculate historical bromide based on EC simulation from 8/28/09 to 9/3/09]																							
11	Document validation of estimating bromide using simulated EC	5 days	Fri 9/4/09	Thu 9/10/09	No	BDO	10,9	[Gantt bar for Document validation of estimating bromide using simulated EC from 9/4/09 to 9/10/09]																							
12	Phase 2	362 days	Fri 9/4/09	Mon 1/24/11	No			[Summary bar for Bromide Phase 2 from 9/4/09 to 1/24/11]																							
13	Assemble and synthesize bromide data as necessary to define boundary conditions	30 days	Fri 9/4/09	Thu 10/15/09	No	MWQI	9	[Gantt bar for Assemble and synthesize bromide data as necessary to define boundary conditions from 9/4/09 to 10/15/09]																							
14	Produce first direct DSM2 Delta bromide simulation for period 1990 to present	5 days	Tue 1/4/11	Mon 1/10/11	No	BDO	2,13	[Gantt bar for Produce first direct DSM2 Delta bromide simulation for period 1990 to present from 1/4/11 to 1/10/11]																							
15	Finalize historical simulation	5 days	Tue 1/11/11	Mon 1/17/11	No	BDO	14,9	[Gantt bar for Finalize historical simulation from 1/11/11 to 1/17/11]																							
16	Document simulation of historical conditions, including a validation	5 days	Tue 1/18/11	Mon 1/24/11	No	BDO	9,15	[Gantt bar for Document simulation of historical conditions, including a validation from 1/18/11 to 1/24/11]																							
17	DOC	55 days	Fri 10/16/09	Thu 12/31/09	No			[Summary bar for DOC from 10/16/09 to 12/31/09]																							
18	Phase 1	55 days	Fri 10/16/09	Thu 12/31/09	No			[Summary bar for DOC Phase 1 from 10/16/09 to 12/31/09]																							
19	Assemble DOC data to define boundary condition	1 day	Fri 10/16/09	Fri 10/16/09	No	MWQI	13	[Gantt bar for Assemble DOC data to define boundary condition from 10/16/09 to 10/16/09]																							
20	Synthesize DOC data as needed to define boundary condition	39 days	Mon 10/19/09	Thu 12/10/09	No	MWQI	19	[Gantt bar for Synthesize DOC data as needed to define boundary condition from 10/19/09 to 12/10/09]																							
21	Assemble measured data at diversions and in-Delta locations for model validation	5 days	Fri 12/11/09	Thu 12/17/09	No	MWQI	20	[Gantt bar for Assemble measured data at diversions and in-Delta locations for model validation from 12/11/09 to 12/17/09]																							
22	Produce first DSM2 Delta DOC simulation for period 1990 to present	5 days	Fri 12/11/09	Thu 12/17/09	No	BDO	20	[Gantt bar for Produce first DSM2 Delta DOC simulation for period 1990 to present from 12/11/09 to 12/17/09]																							
23	Finalize historical simulation and document validation of simulation of DOC	10 days	Fri 12/18/09	Thu 12/31/09	No	BDO	21,22	[Gantt bar for Finalize historical simulation and document validation of simulation of DOC from 12/18/09 to 12/31/09]																							
24	B. Aqueduct Conditions	23 days	Fri 8/28/09	Tue 9/29/09	No			[Gantt bar for B. Aqueduct Conditions from 8/28/09 to 9/29/09]																							
25	Hydraulics	120 days	Fri 8/28/09	Thu 2/11/10	Yes			[Summary bar for Hydraulics from 8/28/09 to 2/11/10]																							
26	Phase 1	120 days	Fri 8/28/09	Thu 2/11/10	Yes			[Summary bar for Hydraulics Phase 1 from 8/28/09 to 2/11/10]																							
27	Assemble and synthesize data including system operations needed to conduct simulation of	60 days	Fri 8/28/09	Thu 11/19/09	Yes	OCO	10FS-5 days	[Gantt bar for Assemble and synthesize data including system operations needed to conduct simulation of from 8/28/09 to 11/19/09]																							
28	Assemble historical hydraulic data within Aqueduct system for validation	20 days	Fri 11/20/09	Thu 12/17/09	Yes	OCO	27	[Gantt bar for Assemble historical hydraulic data within Aqueduct system for validation from 11/20/09 to 12/17/09]																							



